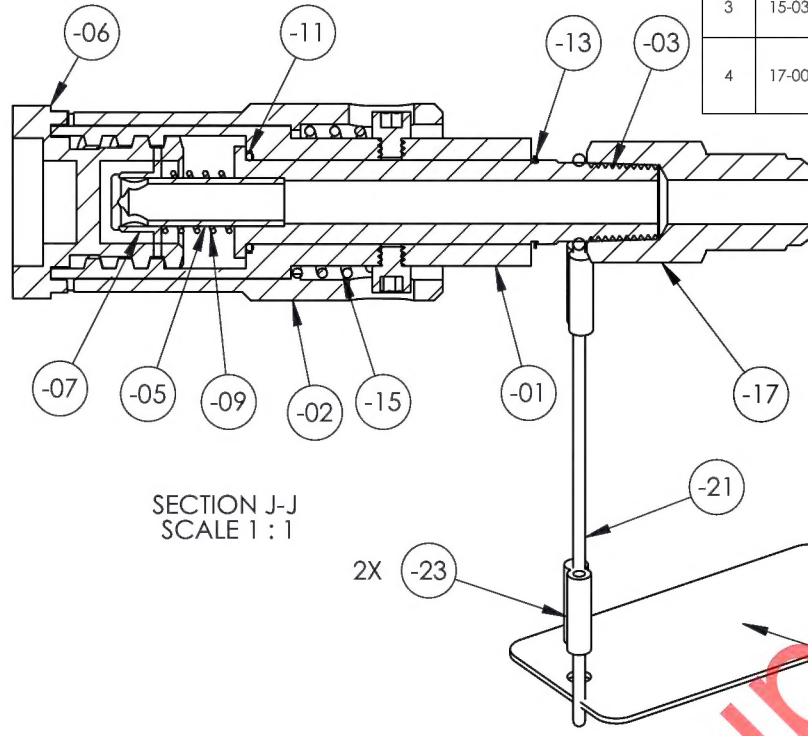
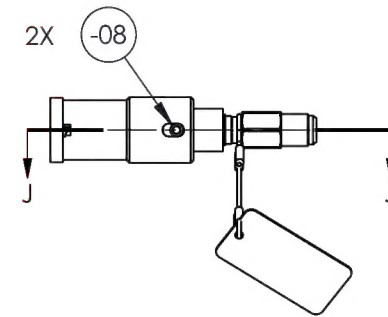


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDESIGNED ASSEMBLY	2/22/2011	JAG	
2		DELETED -19, -21, & -23 CH'D -15 FROM HOSE & -17 FROM HOSE CLAMP, ADDED -19, -21, & -23. -01 CH'D TO CLEAR ANODIZE, -02 CH'D TO CLEAR ANODIZE, CH'D -03 THRU HOLE FROM Ø.17, CH'D DESIGN ADDED 1/8 NPT -27 FOR FITTING, CH'D -05 ID FROM Ø.14 & CH'D LIMIT DIMENSION FROM Ø.2510-.2514 S.F. -07. CH'D -07 ID LIMIT DIM. FROM Ø.2515-.2520 & S.F. -05 PER D.W.	1/17/2012	RJC	DW
2A		-03 REMOVED X.50 DEPTH FROM 1/8 NPT	1/3/2013	BIM	GE
3	15-0335	-01 DIM WAS Ø.675 IS Ø.665 TO ACCOMODATE NEW -15 SPRING. -02 CH'D DIM'S WAS 2X Ø.800 IS Ø.800, ADDED DIM Ø.810 FOR NEW SPRING, CH'D ENGRAVE NOTE WAS ENGRAVE T/N TO FIT IS ENGRAVE T/N, S/N, MADE IN USA. -15 CH'D P/N WAS CENTURY SPRING #B15-66 IS 2619.	10/13/2015	RJC	JAG
4	17-0070	UPDATED TO NEW STANDARDS. -01 CH'D FLANK OF THREAD START WAS ON CENTERLINE, IS 5° OFFSET FROM CENTER LINE, WAS 17° IS (16°); WAS (.10) IS (.08); WAS .101 IS .100, -03 CH'D DIM WAS 2X Ø.438 IS 2XØ.4374/.4354. -05 CH'D DIM WAS Ø.2515/.2510 S.F. -07 IS Ø.2515/.2510 (S.F. -07). -06 ADDED. -07 CH'D DIM WAS Ø.2530/.2520 S.F. -05 IS Ø.2530/.2520 (S.F. -05).	3/21/2017	SM	JAG



UNDER REVIEW
HB ECR 223



B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	-01	1	CAP	6061		2
	-02	1	SLEEVE	6061		3
	-03	1	BARB	303/304 S.S.		4
	-05	1	QUILL	303/304 S.S.		5
	-06	1	CAP	6061		6
	-07	1	VALVE	303/304 S.S.		7
	-08	2	SCREW	S.S.	6-32 X 1/8 (MCMASTER-CARR #92196A139) MODIFIED	8
B/O	-09	1	SPRING	MUSIC WIRE	Ø.025 WIRE: Ø.300 OD X .5 FREE LENGH (RIED #S1030)	1
B/O	-11	1	O-RING	BURNA-N	Ø13mm OD X 1mm (MCMASTER-CARR #9262K613)	1
B/O	-13	1	EXTERNAL RETAINING RING	SPRING STEEL	Ø7/16 SHAFT (MCMASTER-CARR #91665A350)	1
B/O	-15	1	SPRING	SPRING STEEL	Ø.78 (CENTURY SPRING #2619)	1
B/O	-17	1	FEMALE PIPE ADAPTER	S.S.	MCMASTER-CARR #50715K179	1
	-19	1	TAG	ALUMINUM	1/32 X 1 X 2	1
B/O	-21	1	LANYARD	COATED GALV. STEEL	(7X7 CABLE) Ø1/16 X 5in. (CARR LANE #CL-2-2)	1
B/O	-23	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1

DART
AEROSPACE

TITLE
PMC OIL FILLING QUICK DISCONNECT

DWG NO. RBWA353A04 REV 4

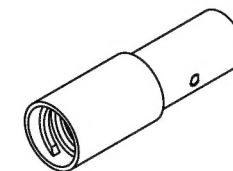
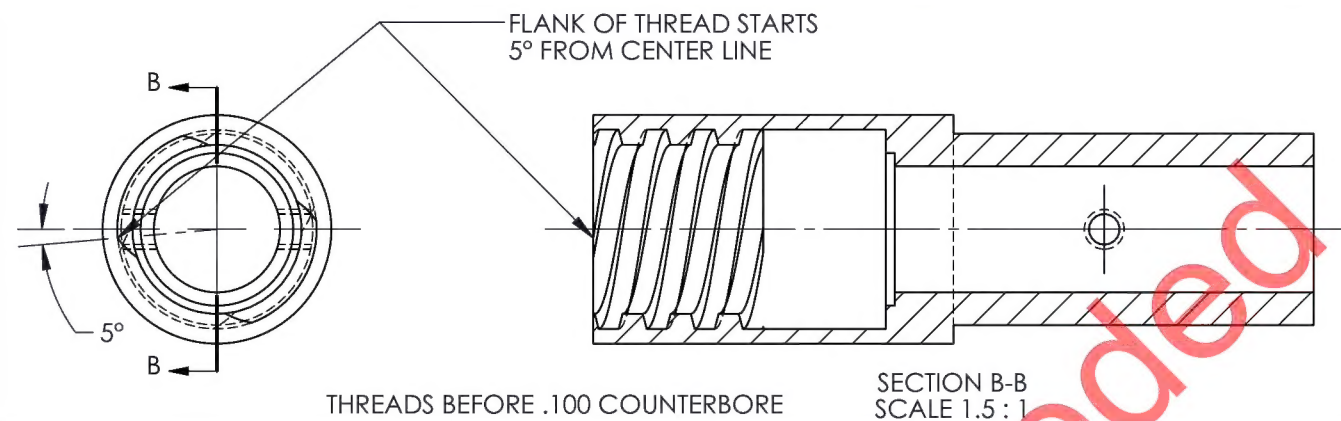
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125
DRAWN BY:	GILBERT
CHECKED:	DD 03/22/2017
OPPS APPR:	AA 03/28/2017
QA APPR:	JL 03/29/2017
APPROVED:	JAG 04/03/2017
SCALE	1:3
DATE	2/22/2011
SHEET	1 OF 8

- BREAK ALL SHARP EDGES
.015 x 45° OR .015R
- DIMENSIONAL LIMITS APPLY
AFTER PLATING
- INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

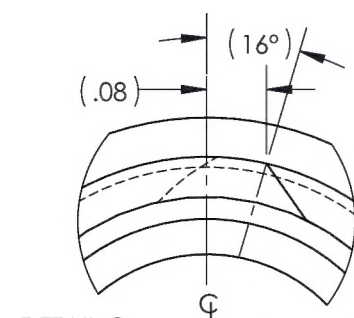
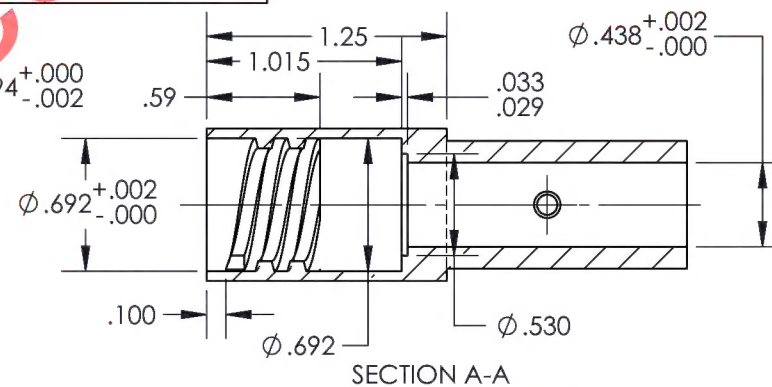
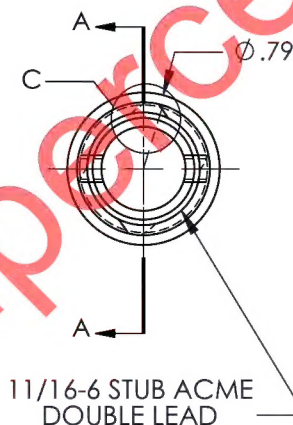
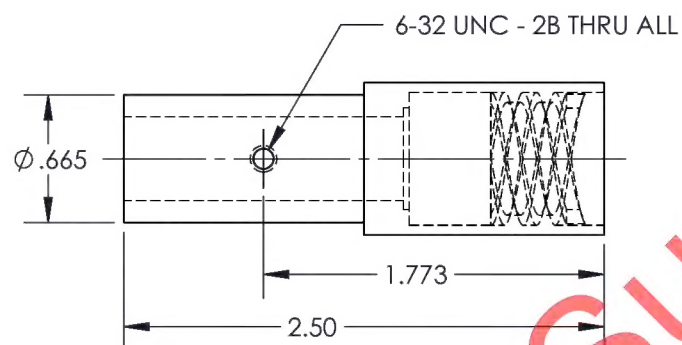
USED ON MODEL
AGUSTA HELICOPTERS

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-01 CH'D TO CLEAR ANODIZE.	1/17/2012	RJC	DW
3	15-0335	-01 DIM WAS $\varnothing.675$ IS $\varnothing.665$ TO ACCOMODATE NEW -15 SPRING.	10/13/2015	RJC	JAG
4	17-0070	-01 CH'D FLANK OF THREAD START WAS ON CENTERLINE, IS 5° OFFSET FROM CENTER LINE, WAS 17° IS (16°); WAS (.10) IS (.08); WAS .101 IS .100.	3/21/2017	SM	JAG



UNDER REVIEW
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(-01)

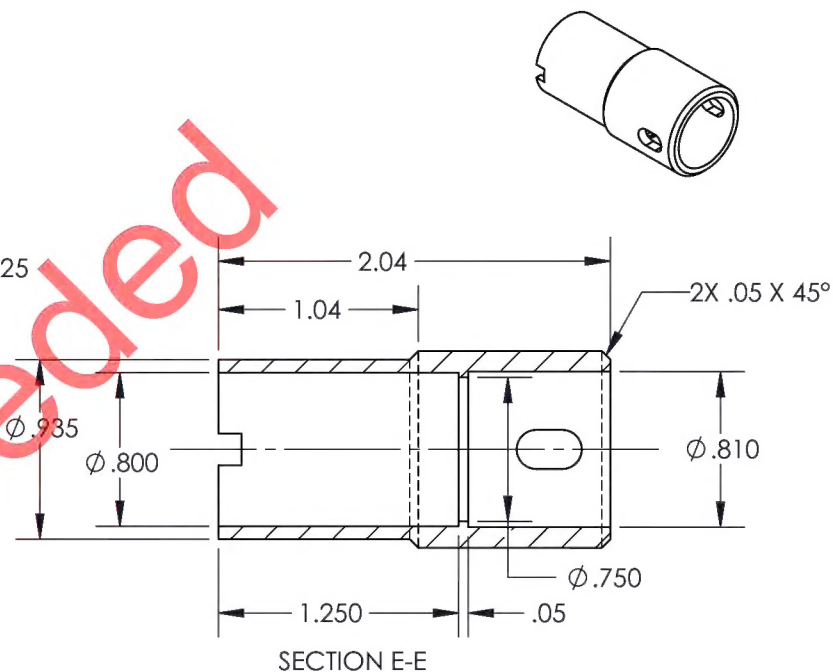
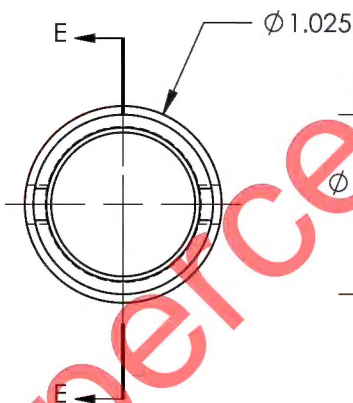
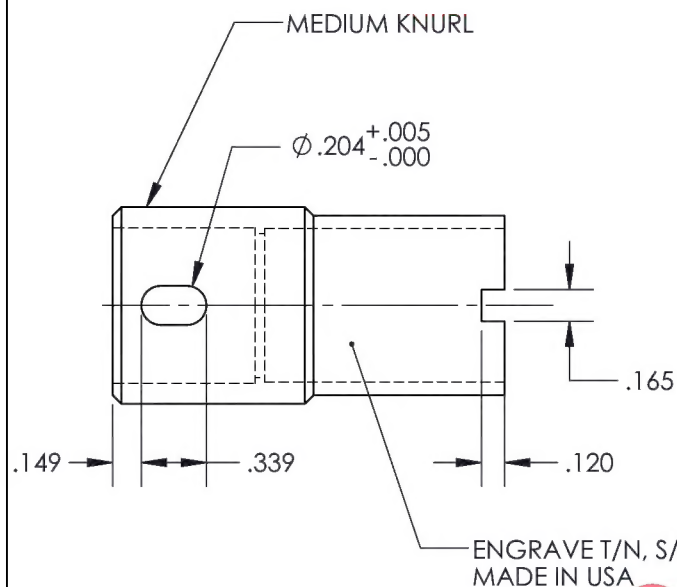
CAP

DART AEROSPACE		
TITLE PMC OIL FILLING QUICK DISCONNECT		
DWG NO. RBWA353A04-01	REV 4	
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8	
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°	
SPEC MIL-A-8625, TYPE II, CLASS I	.X ± .1 SURFACES = 125✓	
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 03/29/2017	USED ON MODEL	
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS	
SCALE 1:1	DATE 2/22/2011	SHEET 2 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-02 CH'D TO CLEAR ANODIZE.	1/17/2012	RJC	DW
3	15-0335	-02 CH'D DIM'S WAS 2X Ø.800 IS Ø.800, ADDED DIM Ø.810 FOR NEW SPRING, CH'D ENGRAVE NOTE WAS ENGRAVE T/N TO FIT IS ENGRAVE T/N, S/N, MADE IN USA.	10/13/2015	RJC	JAG

UNDER REVIEW
HB ECR 223

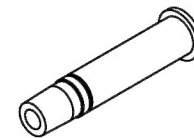
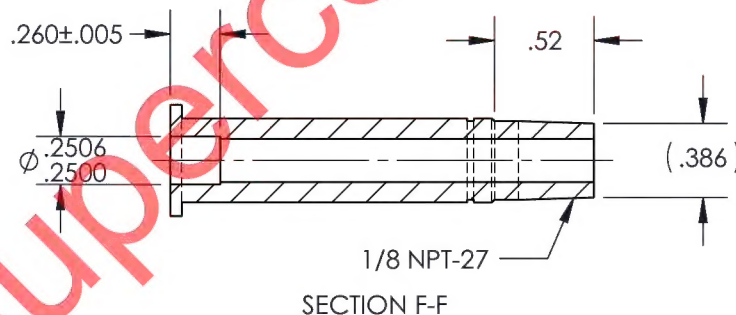
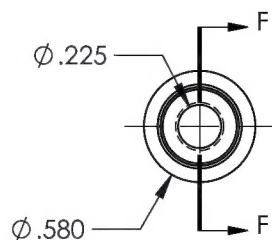
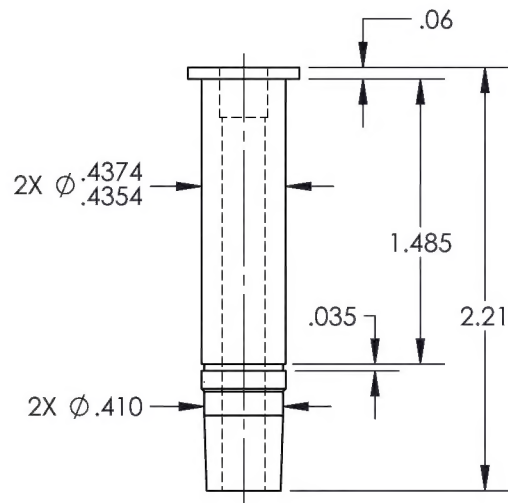


(-02)
SLEEVE

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-02	REV 4
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC MIL-A-8625F, TYPE II, CLASS I	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DD 03/22/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: AA 03/28/2017	USED ON MODEL
QA APPR: JL 03/29/2017	AGUSTA HELICOPTERS
APPROVED: JAG 04/03/2017	
SCALE 1:1	DATE 2/22/2011
SHEET 3 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-03 CH'D THRU HOLE FROM Ø.17, CH'D DESIGN ADDED 1/8 NPT -27 FOR FITTING.	1/17/2012	RJC	DW
2A		-03 REMOVED X.50 DEPTH FROM 1/8 NPT.	1/3/2013	BIM	GE
4	17-0070	-03 CH'D DIM WAS 2X Ø .438 IS 2XØ.4374/.4354.	3/21/2017	SM	JAG



UNDER REVIEW
HB ECR 223

(-03)

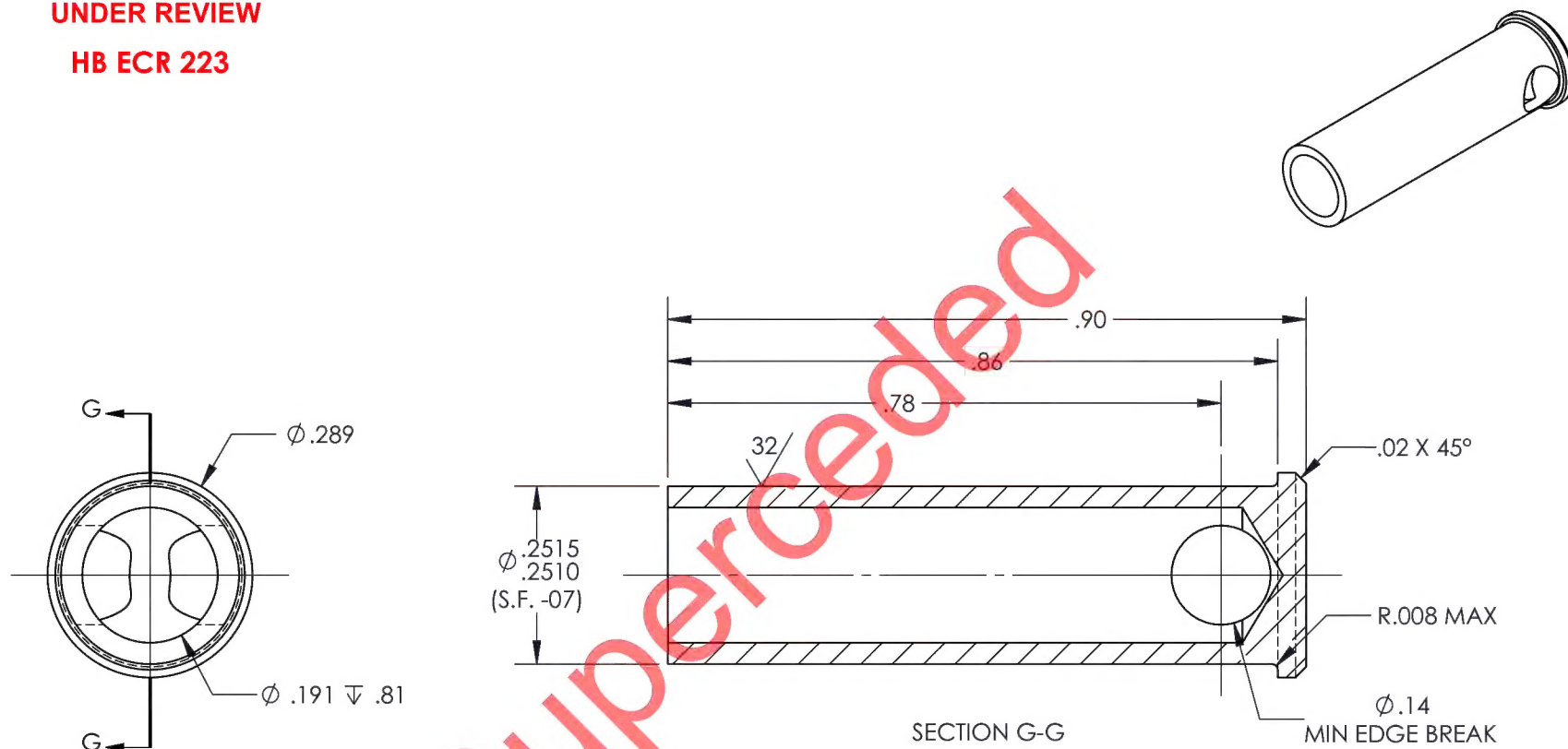
BARB

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-03	REV 4
MAT'L 303/304 S.S.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± .5°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: GILBERT	
CHECKED: DD 03/22/2017	
OPPS APPR: AA 03/28/2017	
QA APPR: JL 03/29/2017	
APPROVED: JAG 04/03/2017	
USED ON MODEL	
AGUSTA HELICOPTERS	
SCALE 1:1	DATE 2/22/2011
SHEET 4 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-05 CH'D ID FROM Ø.14 & CH'D LIMIT DIMENSION FROM Ø.2510-.2514 S.F. -.07.	1/17/2012	RJC	DW
4	17-0070	-05 CH'D DIM WAS Ø.2515/.2510 S.F. -.07 IS Ø.2515/.2510 (S.F. -.07).	3/21/2017	SM	JAG

UNDER REVIEW
HB ECR 223



(05)

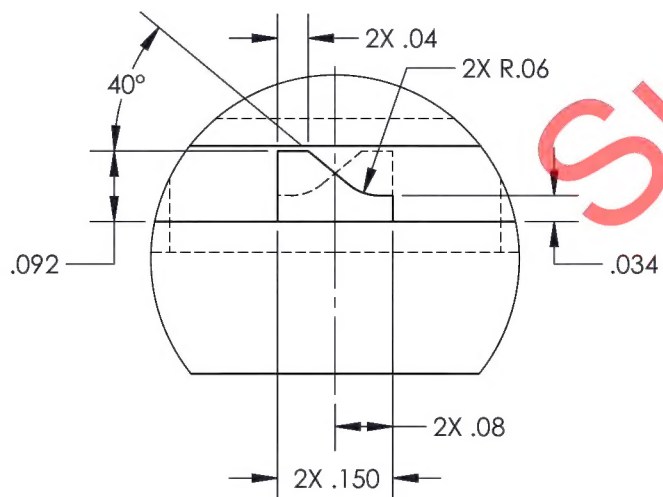
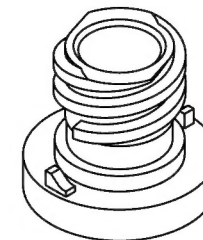
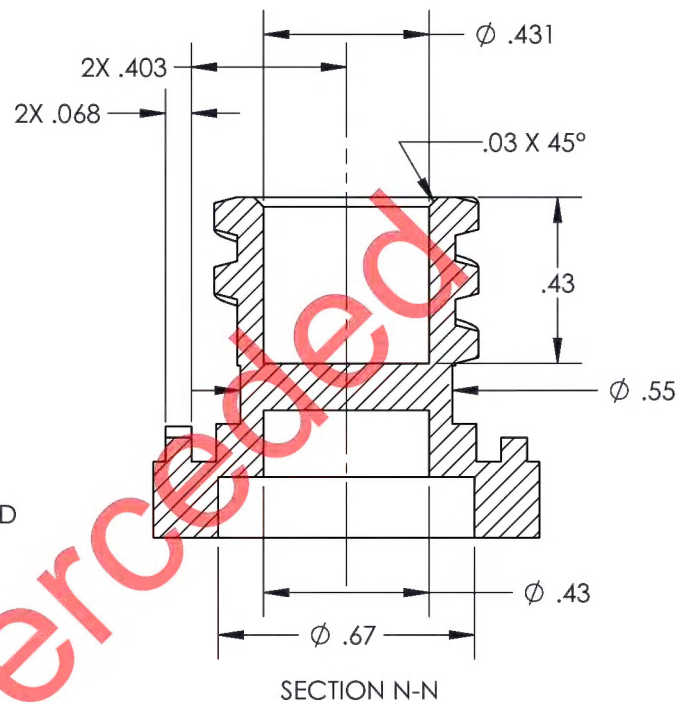
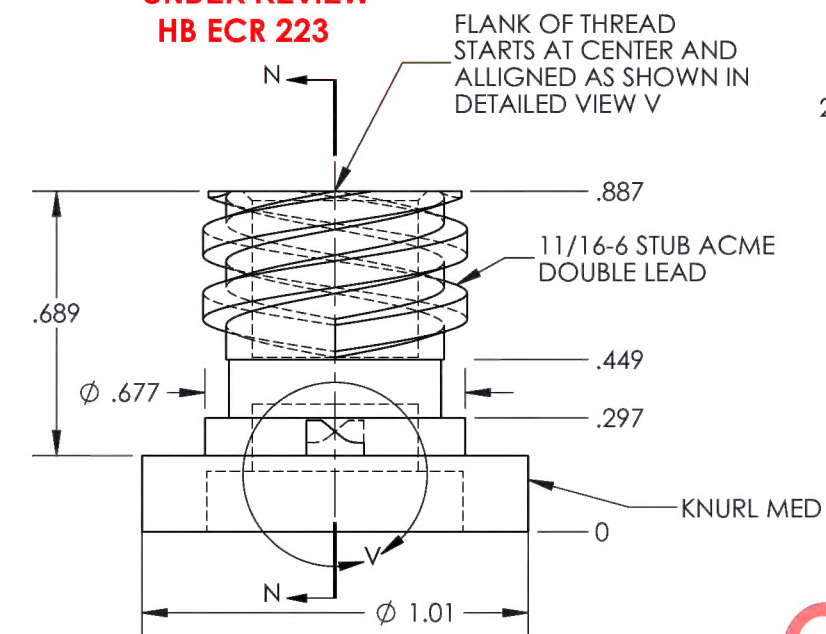
QUILL

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-05	REV 4
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 4:1	DATE 2/22/2011
SHEET 5 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
4	17-0070	-06 ADDED.	3/21/2017	SM
				JAG

UNDER REVIEW
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DETAIL V
REPEAT 2X
SCALE 4 : 1

06

CAP

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-06	REV 4
MAT'L 6061	
HEAT TREAT	
FINISH BLACK ANODIZE	
SPEC MIL-A-8625F, TYPE II, CLASS III	
DRAWN BY: MACKOVJAK	
CHECKED: DD 03/22/2017	
OPPS APPR: AA 03/28/2017	
QA APPR: JL 03/29/2017	
APPROVED: JAG 04/03/2017	
SCALE 2:1	
DATE 6/16/2016	
SHEET 6 OF 8	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± 5°
.X ± .1 SURFACES = 125°

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY
AFTER PLATING

3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

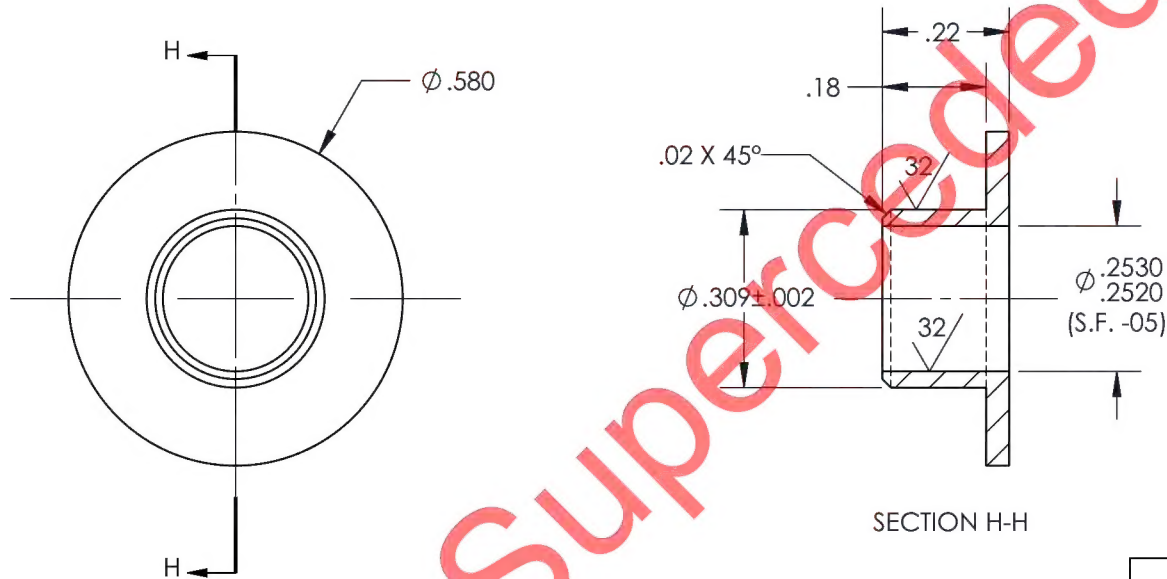
USED ON MODEL
AGUSTA HELICOPTERS

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-07 CH'D ID LIMIT DIM. FROM Ø.2515-.2520 & S.F. -.05 PER S.E. INCREASES STEP FROM .16 TO .18.	1/17/2012	RJC	DW
4	17-0070	-07 CH'D DIM WAS Ø.2530/.2520 S.F. -.05 IS Ø.2530/.2520 (S.F. -.05).	3/21/2017	SM	JAG

UNDER REVIEW

HB ECR 223



Supercircled

(-07)

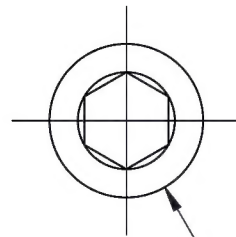
VALVE

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-07	REV 4
MAT'L 303/304 S.S.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8
	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/✓
SPEC	
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 3:1	DATE 2/22/2011
SHEET 7 OF 8	

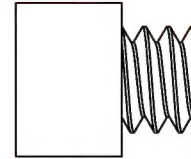
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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

UNDER REVIEW
HB ECR 223



$\phi .200^{+.003}_{-.000}$



.100

Superseded

(-08)

SCREW

DART AEROSPACE	
TITLE PMc OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-08	REV 4
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: DD 03/22/2017	.015 x 45° OR .015R
OPPS APPR: AA 03/28/2017	2. DIMENSIONAL LIMITS APPLY
QA APPR: JL 03/29/2017	AFTER PLATING
APPROVED: JAG 04/03/2017	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 4:1	DATE 2/22/2011
	SHEET 8 OF 8